Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Đại lý phân phối:

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18006777
Miễn phí cước cuộc gọi

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PCRVN1444

SPLIT TYPE AIR CONDITIONERS

Cooling Only 50 Hz **R-32**

Beyond Cool

Daikin air conditioners are not just for cooling – they offer total control of your living space. Various airflow controls help to create a comfortable environment while low sound pressure levels allow you to relax in peace. Now is the time to enjoy greater comfort with Daikin technology.

FTM25/35K

New FTM-K Series Using Next-Generation Refrigerant R-32

As the sole worldwide manufacturer of both air conditioning equipment and refrigerants, Daikin is continuously researching refrigerants as well as new technologies that can save energy consumption for air conditioners. Use of the refrigerants with a lower impact on global warming is urgently required because climate change has been one of global critical issues. Daikin has now adopted R-32. This next generation refrigerant does not deplete the ozone layer and lower impact on global warming.

R-32 Features

1. Zero ozone layer depletion
2. Low global warming potential
3. Increased energy efficiency
4. Less impact on global warming

Lineup

2.5 and 3.5 kW Class

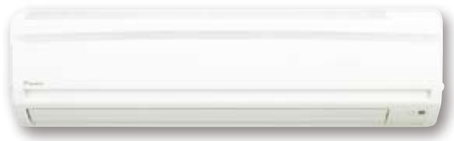
FTM25/35K

RM25K RM35K

Model	FTM25KV1V / RM25KV1V	
Cooling Capacity	kW	2.70
	Btu/h	9,200

Model	FTM35KV1V / RM35KV1V	
Cooling Capacity	kW	3.69
	Btu/h	12,600

5.0 kW Class



FTM50K

RM50K

Model	FTM50KV1V / RM50KV1V	
Cooling Capacity	kW	5.10
	Btu/h	17,400

6.0 kW Class

FTM60K

RM60K

Model	FTM60KV1V / RM60KV1V	
Cooling Capacity	kW	6.57
	Btu/h	22,400

Function List

Indoor Unit

Functions		FTM 25/35K	FTM 50K	FTM 60K
Comfortable Airflow	Power-Airflow Dual Flaps	●	●	●
	Wide-Angle Louvers	●	●	●
	Vertical Auto-Swing (up and down)	●	●	●
	Horizontal Auto-Swing (left and right)		●	●
	3D Airflow		●	●
Comfort Control	Programme Dry Function	●	●	●
	Auto Fan Speed	●	●	●
Lifestyle Convenience	New Powerful Operation	●	●	●
	Indoor Unit On/Off Switch	●	●	●
Cleanliness	Titanium Apatite Photocatalytic Air-Purifying Filter	●		●
	Air-Purifying Filter with Photocatalytic Deodorising Function		●	
	Wipe-Clean Flat Panel	●	●	●
Timers	24 Hour On/Off Timer	●	●	●
Worry Free	Auto-Restart after Power Failure	●	●	●
	Self-Diagnosis with Digital Display	●	●	●

Outdoor Unit

Functions		RM25/35/50/60K
Worry Free	Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins	●

Energy Savings and Quiet Operation

Air conditioners are used for long periods throughout the year. This makes it essential they provide quiet, energy-saving operation. Daikin technology allows you to enjoy year-round comfort.

COP of 3.47 or More

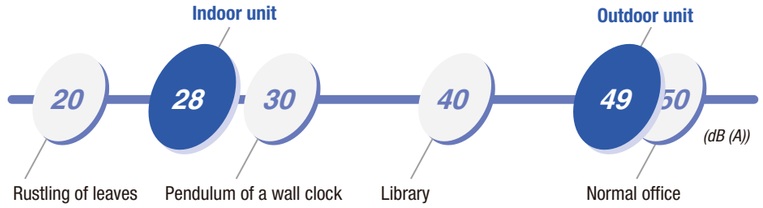
The 2.5 to 6.0 kW models provide a high COP of 3.47 or more. An air conditioner's COP (Coefficient of Performance) indicates how efficiently the unit uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption, so you save money.

$$\text{COP} = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

Quiet Operation

The key benefit of split type air conditioners is their quiet operation. This is made possible by the separate indoor and outdoor units. The FTM25K offers a low sound pressure level of 28 dB (A) for indoor unit operation and 49 dB (A) for outdoor unit operation.

28 dB (A) Is So Quiet You Can Even Hear Whispers



Based on "Examples of Sound Pressure Levels", Ministry of the Environment, Japan, November 12, 2002

Comfortable Airflow Control

As a specialised air conditioning manufacturer, Daikin is constantly researching comfortable airflow control technologies. This includes airflow direction control and lower indoor temperature fluctuation. Thanks to Daikin technology, you can enjoy consistent comfort.

Vertical Auto-Swing (up and down)

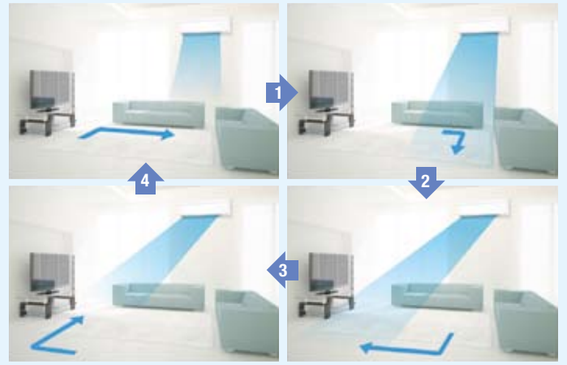
Vertical Auto-Swing (up and down) automatically moves the flaps up and down to distribute air across a room. When the air conditioner is turned off, the flaps shut automatically so that dust can not enter.

Horizontal Auto-Swing (left and right)

Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool air. This function is available for 5.0 and 6.0 kW models.

3D Airflow

3D Airflow combines Vertical and Horizontal Auto-Swing to reduce indoor temperature fluctuation. This function circulates air to every part of a room for uniform cooling of even large spaces. To start 3D Airflow, push both the Vertical and Horizontal Auto-Swing buttons. The flaps and louvers swing in turn. This function is available for 5.0 and 6.0 kW models.



The flaps and louvers swing in turn, expanding the comfort zone.

New Powerful Operation

New Powerful Operation boosts airflow to maximum volume for a 20 minute period. This is convenient when you want to quickly adjust the indoor temperature to the set temperature. After this, the unit automatically returns to its previous settings.

Power-Airflow Dual Flaps

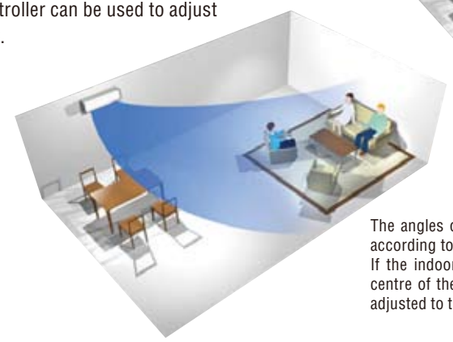
Power-Airflow Dual Flaps flatten out during cooling operation to deliver air to every part of a room. Choosing the low angle sends air right to the corners, while choosing the high angle spreads air around the centre.

When you choose the low angle, cool air slides off to reach the corners of the room.

Wide-Angle Louvers

Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room. The louvers can be adjusted to deliver cool air to the corners of a room either by hand or using the wireless remote controller. The remote controller can be used to adjust the 5.0 and 6.0 kW models.

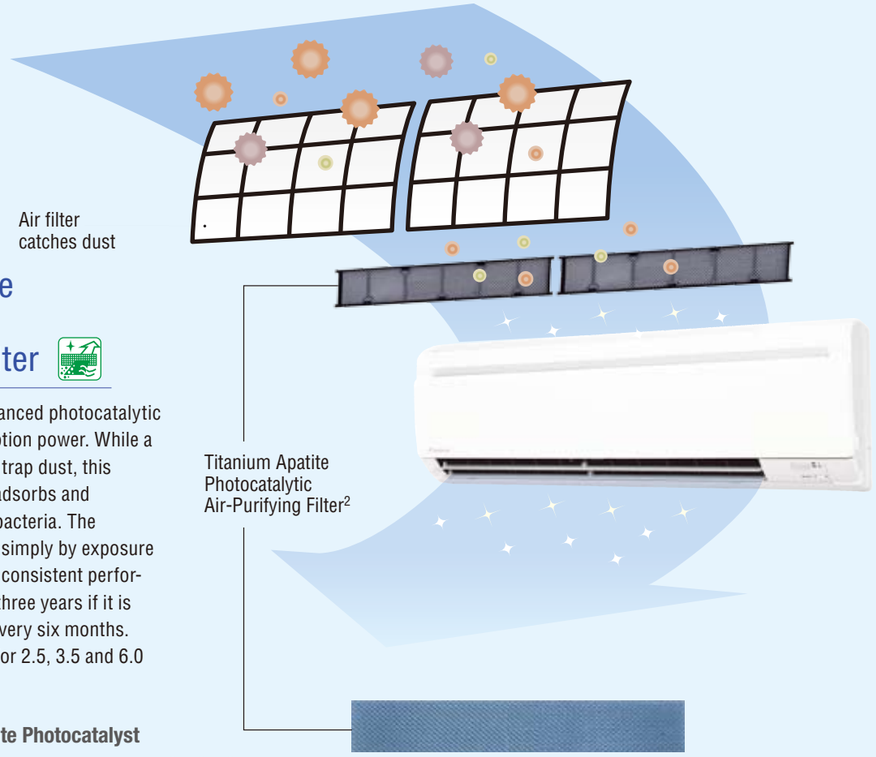
The louvers cover even a spacious room.



The angles of the louvers can be adjusted according to where people are in the room. If the indoor unit is not positioned in the centre of the wall, the louvers can also be adjusted to the left or right.

Removal of Odours, Dust and Bacteria

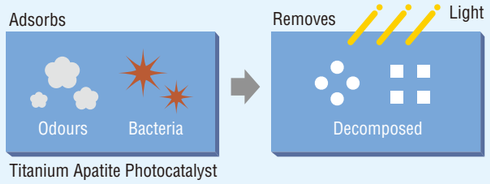
Photocatalytic air purifying is a deodorising and antibacterial technology. Daikin was the first company[1] to apply titanium apatite photocatalyst to the air-purifying filters used in residential-use air purifiers. Daikin's success has led manufacturers in various industries to adopt the technology for antibacterial products.



Titanium Apatite Photocatalytic Air-Purifying Filter

Titanium apatite is an advanced photocatalytic material with great adsorption power. While a filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes odours and bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately three years if it is washed with water once every six months. This function is available for 2.5, 3.5 and 6.0 kW models.

Effect of Titanium Apatite Photocatalyst



Air-Purifying Filter with Photocatalytic Deodorising Function

Air-Purifying Filter with Photocatalytic Deodorising Function[2] is able to trap microscopic particles and even remove bacteria. This filter features a large active surface area that effectively cleans the high volumes of air required to air-condition living rooms. The filter delivers consistent performance for approximately three years if periodic maintenance is performed. This function is available for 5.0 kW model.

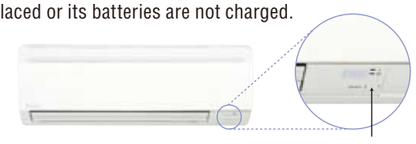
Notes: 1. This practical application of titanium apatite was the first in the world. As of September 2003, released at the 3rd International Workshop on the Utilization and Commercialization of Photocatalytic Systems, Coatings for Clean Surfaces, Water and Air Purification.
2. This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the filter.

Worry-Free Design

Daikin believes durability and installation flexibility are just as essential as airflow control.

Indoor Unit On/Off Switch

This switch provides convenient manual starting of the indoor unit in the event the wireless remote controller is misplaced or its batteries are not charged.

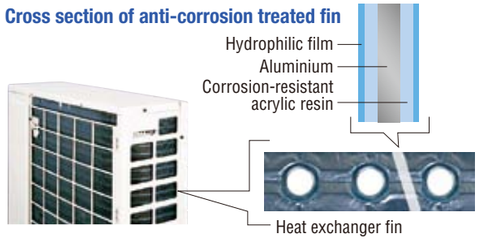


FTM25/35K appearance Indoor Unit On/Off Switch

Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are covered with a thin acrylic resin layer to enhance their resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.

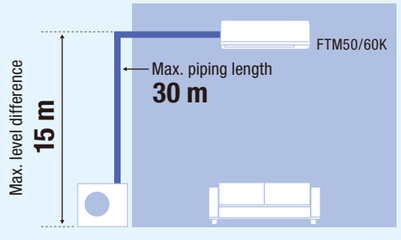
Cross section of anti-corrosion treated fin



Long Piping Length for Flexible Unit Placement

The FTM50/60K supports a piping length of up to 30 metres to give flexibility during unit installation. This allows the outdoor unit to be placed on a balcony or where it can not be seen. Indoor units can also be installed where they do not compromise the decor of a room.

	Max. piping length	Max. level difference
FTM25/35K	25 m	15 m
FTM50/60K	30 m	15 m



Functions

Comfortable Airflow

Power-Airflow Dual Flaps
The Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.
▶ See page 7

Wide-Angle Louvers
The Wide-Angle Louvers provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.
▶ See page 8

Vertical Auto-Swing (up and down)
This function automatically moves the flaps up and down to distribute air across a room.
▶ See page 8

Horizontal Auto-Swing (left and right)
Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool air.
▶ See page 8

3D Airflow
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool air right to the corners of even large spaces. The flaps and louvers swing in turn.
▶ See page 8

Lifestyle Convenience

New Powerful Operation
New Powerful Operation boosts airflow to maximum volume for a 20 minute period. After this, the unit automatically returns to its previous settings.
▶ See page 7

Indoor Unit On/Off Switch
The unit can be conveniently started by hand if the wireless remote controller is misplaced or its batteries are not charged.
▶ See page 11

Comfort Control

Programme Dry Function
The microprocessor works to eliminate humidity while maintaining the most consistent temperature possible. It automatically controls the temperature and fan speed.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Cleanliness

Titanium Apatite Photocatalytic Air-Purifying Filter
This filter contains the advanced photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to three years with proper maintenance.
▶ See page 10

Air-Purifying Filter with Photocatalytic Deodorising Function
This filter is made of titanium oxide. It adsorbs and decomposes bacteria. The filter can be used for up to three years with proper maintenance.
▶ See page 10

Wipe-Clean Flat Panel
The flat panel design can be cleaned with only the single pass of a cloth across its smooth surface. The flat panel can also be easily removed for more thorough cleaning.

Timers

24 Hour On/Off Timer
This timer can start or stop the air conditioner within a 24 hour period. It can be preset in 10 minute steps by pressing the On/Off Timer button on the wireless remote controller. The On Timer and Off Timer can be used in combination.

Worry Free

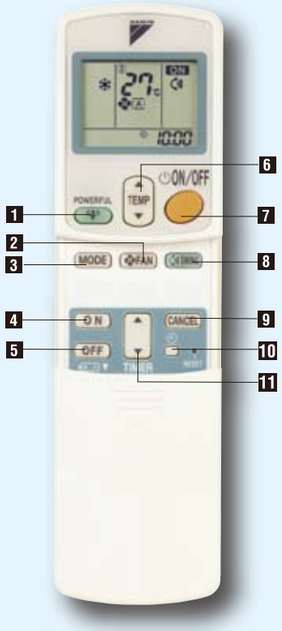
Auto-Restart after Power Failure
The air conditioner memorises the settings for operation mode (cooling, dry and fan only), airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

Self-Diagnosis with Digital Display
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Anti-Corrosion Treatment of Outdoor Heat Exchanger Fins
The outdoor unit's heat exchanger fins are processed using a special anti-corrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.
▶ See page 11

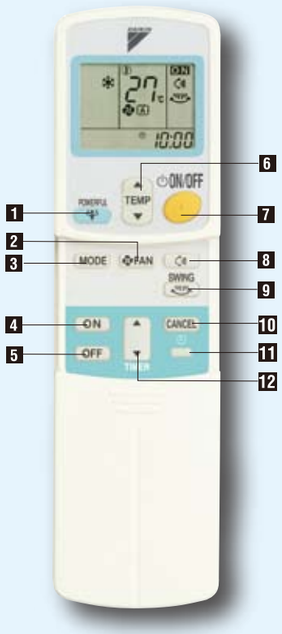
Controllers

Wireless remote controller for FTM25/35K



- New Powerful Operation 1
- Selects fan speed 2
- Selects mode: 3 cooling, dry, fan-only operation
- 24 Hour On Timer 4
- 24 Hour Off Timer 5
- 6 Sets room temperature
- 7 On/Off switch
- 8 Vertical Auto-Swing (up and down)
- 9 Cancels On/Off Timer
- 10 Sets clock
- 11 Sets timer

Wireless remote controller for FTM50/60K



- New Powerful Operation 1
- Selects fan speed 2
- Selects mode: 3 cooling, dry, fan-only operation
- 24 Hour On Timer 4
- 24 Hour Off Timer 5
- 6 Sets room temperature
- 7 On/Off switch
- 8 Vertical Auto-Swing (up and down)
- 9 Horizontal Auto-Swing (left and right)
- 10 Cancels On/Off Timer
- 11 Sets clock
- 12 Sets timer

Specifications

Model name	Indoor unit		FTM25KV1V	FTM35KV1V	FTM50KV1V	FTM60KV1V
	Outdoor unit		RM25KV1V	RM35KV1V	RM50KV1V	RM60KV1V
Capacity		kW	2.70	3.69	5.10	6.57
		Btu/h	9,200	12,600	17,400	22,400
Power supply			1 phase, 220 V, 50 Hz			
Running current		A	3.5	4.9	7.0	8.8
Power consumption		W	735	1,030	1,470	1,780
COP		W/W	3.67	3.58	3.47	3.69
Indoor unit			**FTM25KV1V**	**FTM35KV1V**	**FTM50KV1V**	**FTM60KV1V**
Front panel colour			White			
Airflow rate	H	m³/min (cfm)	9.5 (335)	9.9 (350)	17.5 (617)	18.0 (635)
Fan speed			5 steps and automatic			
Sound pressure level	H/L	dB (A)	37/28	40/31	45/35	47/38
Dimensions	H x W x D	mm	283 x 800 x 195		290 x 1,050 x 238	340 x 1,050 x 248
Machine weight		kg	9		12	15
Outdoor unit			**RM25KV1V**	**RM35KV1V**	**RM50KV1V**	**RM60KV1V**
Casing colour			Ivory white			
Compressor	Type		Hermetically sealed rotary type			
	Motor output	W	700	900	1,300	1,600
Refrigerant	Type		R-32			
	Charge	kg	0.80	0.95	1.40	1.70
Sound pressure level		dB (A)	49			54
Dimensions	H x W x D	mm	550 x 658 x 275	550 x 765 x 285	595 x 845 x 300	770 x 900 x 320
Machine weight		kg	32	38	43	60
Operation range		˚CDB	19.4 to 46			
Piping connection	Liquid	mm	ø6.4			
	Gas		ø9.5	ø12.7	ø15.9	
	Drain		ø18.0			ø16.0
Max. piping length		m	25		30	
Max. level difference			15		15	

Measurement conditions
1. Capacity is based on: indoor temp. 27˚CDB, 19˚CWB; outdoor temp. 35˚CDB; piping length 7.5 m.
2. Sound pressure levels are measured in an anechoic chamber based on temperature condition 1 above. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options

Indoor unit

No.	Item	FTM25/35K	FTM50K	FTM60K
1	Titanium apatite photocatalytic air-purifying filter *1	KAF970A46	–	KAF970A46
2	Air-purifying filter with photocatalytic deodorising function *1	–	KAF971B42	–
3	Remote controller loss prevention with chain	KKF917A4		

Note: *1. The filter is a standard accessory. It should be replaced approximately every three years.

Titanium apatite photocatalytic air-purifying filter
KAF970A46

Air-purifying filter with photocatalytic deodorising function
KAF971B42

Remote controller loss prevention with chain
KKF917A4

Outdoor unit

No.	Item	RM25K	RM35K	RM50K	RM60K
1	Air direction adjustment grille	KPW937B4	KPW937A4	KPW937C4	KPW945A4
2	Drain plug	KKP937A4 *1			KKP945A4

Note: *1. One set includes five pieces for five units.

Air direction adjustment grille
KPW937A4

Drain plug
KKP937A4